RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/578,926_
Source: _1FWP_
Date Processed by STIC: _5/24/06_

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: _10/578,926_   CRF Edit Date: _5/24/06_
Edited by: _M_

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

____ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

____ Other: _corrected spelling of "Artificial" (globally) and "Sapiens" (sequence 2) also corrected spelling of "posttranslational" in <120? response_

RAW SEQUENCE LISTING   DATE: 05/24/2006
PATENT APPLICATION: US/10/578,926   TIME: 11:35:04

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\05242006\J578926.raw**

```
     3 <110> APPLICANT: SHIMADZU CORPORATION, National University Corporation Yamaguchi
University
     5 <120> TITLE OF INVENTION: Method of posttranslational modification by addition of
microsome membrane
     6        in cell-free protein synthesis
     8 <130> FILE REFERENCE: G104090WO
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/578,926
C--> 10 <141> CURRENT FILING DATE: 2006-05-09
    10 <150> PRIOR APPLICATION NUMBER: JP 2003-384387
    11 <151> PRIOR FILING DATE: 2003-11-13
    13 <160> NUMBER OF SEQ ID NOS: 9
    15 <210> SEQ ID NO: 1
    16 <211> LENGTH: 49
    17 <212> TYPE: DNA
    18 <213> ORGANISM: Artificial Sequence
    20 <220> FEATURE:
    21 <223> OTHER INFORMATION: 5'UTR (EoNPV polyhedrin gene)
    23 <400> SEQUENCE: 1
    24 agtattgtag tcctttcgta attgtttgtg aaatctaaaa tacaccgta             49
    26 <210> SEQ ID NO: 2
    27 <211> LENGTH: 702
    28 <212> TYPE: DNA
    29 <213> ORGANISM: Homo sapiens
    31 <220> FEATURE:
    32 <223> OTHER INFORMATION: pro-TNF GLC
    34 <400> SEQUENCE: 2
    35 atgagcactg aaagcatgat ccgggacgtg gagctggccg aggaggcgct ccccaagaag    60
    36 acaggggggc cccagggctc caggcggtgc ttgttcctca gcctcttctc cttcctgatc   120
    37 gtggcaggcg ccaccacgct cttctgcctg ctgcactttg gagtgatcgg cccccagagg   180
    38 gaagagtccc ccagggacct ctctctaatc agccctctgg cccaggcagt cagatcatct   240
    39 tctcgaaccc cgagtgacaa gcctgtagcc catgttgtag caaaccctca agctgagggg   300
    40 cagctccagt ggctgaaccg ccgggccaat gccctcctgg ccaatggcgt ggagctgaga   360
    41 gataaccagc tggtggtgcc atcagagggc ctgtacctca tctactccca ggtcctcttc   420
    42 aagggccaag gctgcccctc cacccatgtg ctcctcaccc acaccatcag ccgcatcgcc   480
    43 gtctcctacc agaccaaggt caacctcctc tctgccatca agagcccctg ccagagggag   540
    45 accccagagg gggctgaggc caagccctgg tatgagccca tctatctggg aggggtcttc   600
    46 cagctggaga agggtgaccg actcagcgct gagatcaatc ggcccgacta tctcgacttt   660
    47 gccgagtctg ggcaggtcta ctttgggatc attgccctgt ga            702
    49 <210> SEQ ID NO: 3
    50 <211> LENGTH: 20
    51 <212> TYPE: DNA
    52 <213> ORGANISM: Artificial Sequence
    54 <220> FEATURE:
    55 <223> OTHER INFORMATION: PCR primer
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57 <400> SEQUENCE: 3

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58 ttggatcctg caaaaagaac            20
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 21
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: PCR primer
68 <400> SEQUENCE: 4
69 gttcttggat ccctcgagaa t            21
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 21
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: PCR primer
79 <400> SEQUENCE: 5
80 cccaagctta aaaaacccct c            21
82 <210> SEQ ID NO: 6
83 <211> LENGTH: 21
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: PCR primer
90 <400> SEQUENCE: 6
91 aaaaagcttc ccctggcgta a            21
93 <210> SEQ ID NO: 7
94 <211> LENGTH: 22
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: His-Tag coding DNA
101 <400> SEQUENCE: 7
102 ccaccaccac caccaccact ga           22
104 <210> SEQ ID NO: 8
105 <211> LENGTH: 26
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: PCR primer
112 <400> SEQUENCE: 8
113 cgggatccat gagcactgaa agcatg        26
115 <210> SEQ ID NO: 9
116 <211> LENGTH: 26
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: PCR primer
123 <400> SEQUENCE: 9
124 cggaattcca gggcaatgat cccaaa        26
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/24/2006
PATENT APPLICATION: US/10/578,926   TIME: 11:35:06

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\05242006\J578926.raw

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 3,5

VERIFICATION SUMMARY DATE: 05/24/2006
PATENT APPLICATION: US/10/578,926 TIME: 11:35:06

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\05242006\J578926.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

Raw Sequence Listing before editing
(for reference only)

IFWP

RAW SEQUENCE LISTING   DATE: 05/19/2006
PATENT APPLICATION: US/10/578,926   TIME: 08:42:12

        Input Set : A:\PTO.RJ.txt
        Output Set: N:\CRF4\05192006\J578926.raw

     3 <110> APPLICANT: SHIMADZU CORPORATION, National University Corporation Yamaguchi
University
     5 <120> TITLE OF INVENTION: Method of posttraslational modification by addition of
microsome membrane
     6   in cell-free protein synthesis
     8 <130> FILE REFERENCE: G104090WO
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/578,926
C--> 10 <141> CURRENT FILING DATE: 2006-05-09
    10 <150> PRIOR APPLICATION NUMBER: JP 2003-384387
    11 <151> PRIOR FILING DATE: 2003-11-13
    13 <160> NUMBER OF SEQ ID NOS: 9
    15 <210> SEQ ID NO: 1
    16 <211> LENGTH: 49
    17 <212> TYPE: DNA
C--> 18 <213> ORGANISM: Artficial Sequence
    20 <220> FEATURE:
    21 <223> OTHER INFORMATION: 5'UTR (EoNPV polyhedrin gene)
    23 <400> SEQUENCE: 1
    24 agtattgtag tcctttcgta attgtttgtg aaatctaaaa tacaccgta   49
    26 <210> SEQ ID NO: 2
    27 <211> LENGTH: 702
    28 <212> TYPE: DNA
    29 <213> ORGANISM: homo sapience
    31 <220> FEATURE:
    32 <223> OTHER INFORMATION: pro-TNF GLC
    34 <400> SEQUENCE: 2
    35 atgagcactg aaagcatgat ccgggacgtg gagctggccg aggaggcgct ccccaagaag   60
    36 acaggggggc cccagggctc caggcggtgc ttgttcctca gcctcttctc cttcctgatc   120
    37 gtggcaggcg ccaccacgct cttctgcctg ctgcactttg gagtgatcgg cccccagagg   180
    38 gaagagtccc ccagggacct ctctctaatc agccctctgg cccaggcagt cagatcatct   240
    39 tctcgaaccc cgagtgacaa gcctgtagcc catgttgtag caaaccctca agctgagggg   300
    40 cagctccagt ggctgaaccg ccgggccaat gccctcctgg ccaatggcgt ggagctgaga   360
    41 gataaccagc tggtggtgcc atcagagggc ctgtacctca tctactccca ggtcctcttc   420
    42 aagggccaag gctgcccctc cacccatgtg ctcctcaccc acaccatcag ccgcatcgcc   480
    43 gtctcctacc agaccaaggt caacctcctc tctgccatca agagcccctg ccagagggag   540
    45 accccagagg gggctgaggc caagccctgg tatgagccca tctatctggg aggggtcttc   600
    46 cagctggaga agggtgaccg actcagcgct gagatcaatc ggcccgacta tctcgacttt   660
    47 gccgagtctg ggcaggtcta ctttgggatc attgccctgt ga   702
    49 <210> SEQ ID NO: 3
    50 <211> LENGTH: 20
    51 <212> TYPE: DNA
C--> 52 <213> ORGANISM: Artficial Sequence
    54 <220> FEATURE:
    55 <223> OTHER INFORMATION: PCR primer

57 <400> SEQUENCE: 3

5/19/2006

```
     58 ttggatcctg caaaaagaac                20
     60 <210> SEQ ID NO: 4
     61 <211> LENGTH: 21
     62 <212> TYPE: DNA
     63 <213> ORGANISM: Artificial Sequence
     65 <220> FEATURE:
     66 <223> OTHER INFORMATION: PCR primer
     68 <400> SEQUENCE: 4
     69 gttcttggat ccctcgagaa t              21
     71 <210> SEQ ID NO: 5
     72 <211> LENGTH: 21
     73 <212> TYPE: DNA
C--> 74 <213> ORGANISM: Artficial Sequence
     76 <220> FEATURE:
     77 <223> OTHER INFORMATION: PCR primer
     79 <400> SEQUENCE: 5
     80 cccaagctta aaaaacccct c              21
     82 <210> SEQ ID NO: 6
     83 <211> LENGTH: 21
     84 <212> TYPE: DNA
C--> 85 <213> ORGANISM: Artficial Sequence
     87 <220> FEATURE:
     88 <223> OTHER INFORMATION: PCR primer
     90 <400> SEQUENCE: 6
     91 aaaaagcttc ccctggcgta a              21
     93 <210> SEQ ID NO: 7
     94 <211> LENGTH: 22
     95 <212> TYPE: DNA
C--> 96 <213> ORGANISM: Artficial Sequence
     98 <220> FEATURE:
     99 <223> OTHER INFORMATION: His-Tag coding DNA
    101 <400> SEQUENCE: 7
    102 ccaccaccac caccaccact ga            22
    104 <210> SEQ ID NO: 8
    105 <211> LENGTH: 26
    106 <212> TYPE: DNA
C--> 107 <213> ORGANISM: Artficial Sequence
    109 <220> FEATURE:
    110 <223> OTHER INFORMATION: PCR primer
    112 <400> SEQUENCE: 8
    113 cgggatccat gagcactgaa agcatg         26
    115 <210> SEQ ID NO: 9
    116 <211> LENGTH: 26
    117 <212> TYPE: DNA
C--> 118 <213> ORGANISM: Artficial Sequence
    120 <220> FEATURE:
    121 <223> OTHER INFORMATION: PCR primer
    123 <400> SEQUENCE: 9
    124 cggaattcca gggcaatgat cccaaa         26
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/19/2006
PATENT APPLICATION: **US/10/578,926**   TIME: 08:42:13

Input Set : **A:\PTO.RJ.txt**
Output Set: **N:\CRF4\05192006\J578926.raw**

<u>Invalid Line Length:</u>
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 3,5

VERIFICATION SUMMARY   DATE: 05/19/2006
PATENT APPLICATION: **US/10/578,926**   TIME: 08:42:13

Input Set : **A:\PTO.RJ.txt**
Output Set: **N:\CRF4\05192006\J578926.raw**

```
L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:18 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:52 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:74 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:85 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:96 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:107 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8
L:118 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9
```